


MontCAS


Montana Comprehensive Assessment System

Phase 2

Criterion-Referenced Test (CRT)

Released Items and iAnalyze





Prepared by the Montana
Office of Public Instruction,
Linda McCallloch,
Superintendent October 2005

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MontCAS

Phase 1

- Norm-referenced (NRT)-the Iowa-Riverside Publishing Company
- Aligned to national standards
- Grades 4, 8, 11
- Reading, language arts, math, social studies, science
- Multiple choice
- Alternate assessment scales
- Funded by the state

Phase 2

- Criterion-referenced test (CRT)—Measured Progress
- Aligned to Montana Content Standards
- Grades 3-8, and 10
- Reading and math
- Multiple choice, math short answer and constructed response
- Evidence based alternate
- Funded by NCLB

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Spring 2006 MontCAS Testing Windows

- Phase 2
 - CRT-Alternate
 - Feb. 13 – March 29
 - Grades 3-8 and 10
 - CRT
 - March 6 – March 29
 - Grades 3-8 and 10
- Phase 1
 - NRT and Alternate Assessment Scales
 - March 22 – April 12
 - Grades 4, 8, and 10



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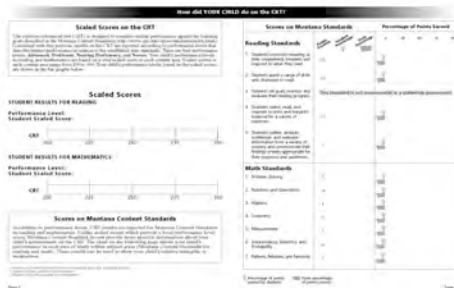
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Paper Reports

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CRT Student Report (pages 2 and 3)



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CRT Roster and Item-Level Report

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Released Items

- Each year all the items that students were scored on are released.
- Posted on the OPI web page
 - <http://www.opi.mt.gov/Assessment/index.html>
- Included in *iAnalyze*

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Types of Items on the CRT

- Multiple Choice—Reading and Mathematics
- Short answer—Only Mathematics
- Constructed Response (called open response in *iAnalyze*)—Reading and Mathematics

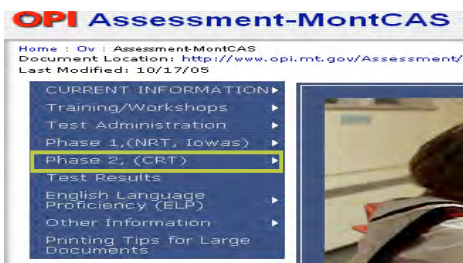


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OPI Assessment Web Page

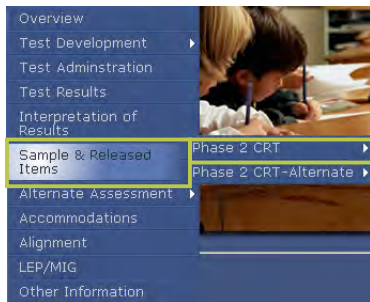
<http://www.opi.mt.gov/Assessment/index.html>



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Sample and Released Items



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Phase 2 Sample and Released Items 2005

Sample Items

- Grade 3 Reading
- Grade 3 Math
- Grade 5 Reading
- Grade 5 Math
- Grade 6 Reading
- Grade 6 Math
- Grade 7 Reading
- Grade 7 Math

Released Items

- Reading--Excel File of Released Items Keyed to Standards
- Math--Excel File of Released Items Keyed to Standards
- Grade 4
- Grade 4 Reading Constructed Response
- Grade 4 Math Constructed Response
- Grade 8
- Grade 8 Reading Constructed Response
- Grade 8 Math Constructed Response
- Grade 10
- Grade 10 Reading Constructed Response
- Grade 10 Math Constructed Response

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Snapshots of Released Items

- Excel files
- Reading passages online only
- Grade 4 reading multiple choice
- Grade 8 math constructed response



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Snapshots of Excel Files



	A	B	C	D
1	GRADE	KEY	ITEM NUMBER	STANDARD
2	4	A	1	2
3	4	B	2	2
4	4	D	3	1
5	4	B	4	4
6	4	C	5	5
7	4	A	6	2
8	4	A	7	2
9	4	D	8	1
10	4	D	9	4
11	4	C	10	5
12	4	B	11	1
13	4	C	12	2
14	4	B	13	1
15	4	D	14	1
16	4	B	15	2

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Reading Passage Grade 4 Snapshot

How Is Your Horse Talk?

by John L. Sperry

Illustrated by Pam Harden

animals; they love
alone. It comes
al of a horse
watch and smell a

Ear language is the e:
With ears perked forward
look, the horse is saying,
interesting. I ought to che

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Reading Multiple Choice Grade 4 Snapshot

30. According to paragraph 5, what might a sleeping horse do if you get near it?
- A. become angry
 - B. recognize you
 - C. kick you
 - D. wake up

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Math Constructed Response Item Grade 8 Snapshot

Session 1 (4)

You may use a calculator during this session.

25. The drama club put on a play on Friday night. They the door. A total of 300 tickets were sold.
- a. Using x to represent the number of tickets sold number of tickets sold at the door.
- The club charged \$3 for tickets sold in advance and of money collected from tickets was \$1072.
- b. Again using x to represent the number of ticket used to find the number of \$3 tickets and the n contain no variables except x .
 - c. How many \$3 tickets and how many \$4 tickets found your answer.

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Math Constructed Response Rubric Grade 8 Snapshot

Scoring Guide

Score	
4	4 points
3	3 points
2	2 points
1	1 point OR Student shows minimal understandi the problem.
0	Response is incorrect or contains so being measured.
Blank	No response.



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Math Constructed Response Training Notes Grade 8 Snapshot

Training Notes:

- Part a: 1 point for the correct answer, $300 - x$
- Part b: 1 point for the correct equation, $1072 = 3x$ on student's answer to Part a
- Part c: 2 points for the correct answers, **128 \$3 tick** student's equation in Part b, with w
Note: Student does NOT have to us
OR
1 point for the correct answers without wor
or
for 1 correct answer with work sho
or
for some correct strategy shown.

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Math Constructed Response Model Paper Grade 8 Snapshot

Score Point 4

Sample 1

$$\begin{aligned} \text{a. } 300 - x &= b. \\ \text{b. } 3x + \frac{1}{4}(200x) &= 1072 \\ \text{c. } 3x + \frac{1}{4}(200x) &= 1072 \\ 3x + 1200 + \frac{1}{4}x &= 1072 \\ -x + 1200 &= 1072 \\ -x &= -128 \\ x &= 128 \end{aligned}$$

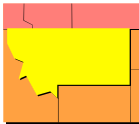
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Identifying Strengths and Needs With the CRT Released Items

■ Examine:

- ☐ Items
- ☐ Possible answers
- ☐ Items and answers within a standard
- ☐ Item statistics
- ☐ Montana content standard statistics
- ☐ Subgroup statistics



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What is iAnalyze?

...a secure website where data gathered from the CRT assessments are distributed.



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How to get access to *iAnalyze*?

- <http://iservices.measuredprogress.org>
- System Test Coordinators were provided with system- and school-level organization codes and passwords in 2004.
- Unique log-in names and passwords were developed by each school and system.
- Continue using your unique log-in name and password.
- If you need help with your password, contact Judy Snow
 - 406-444-3656
 - jsnow@mt.gov

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What's on iAnalyze

- 2004 and 2005 Secure Test Data
- Reports in pdf format
- Pie Chart & Graphs
- Two tabs
 - Assessment
 - Accountability



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What information can we find?

Who is signed on

User's guide here - also on the CD-Rom

Click "Select Students/Items"

Use Drop-down menus to select the students and items.

Remember: Data will only be there if it exists. (No grade 10 data in the elementary school!)

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Who is signed on

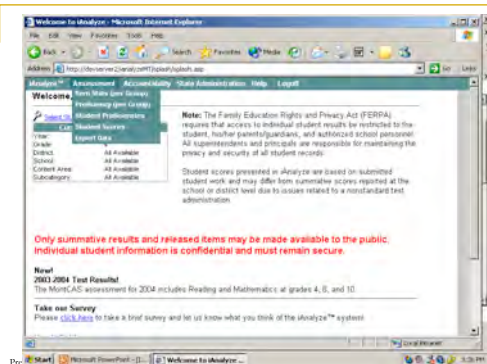
User's guide here - also on the CD-Rom

Assessment Tab

- Item Stats (per group)
- Proficiency (per group)
- Student Proficiencies
- Student Scores
- Export Data
- Focus: classroom and instructional use

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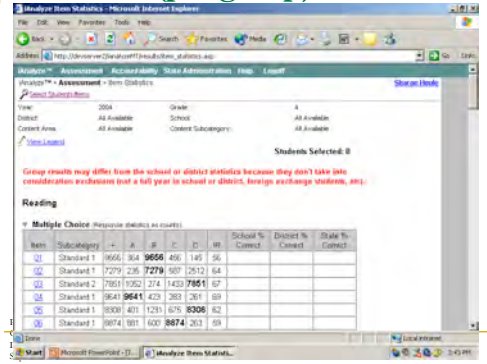
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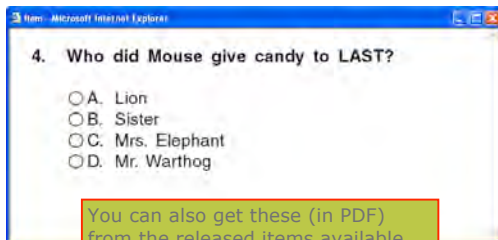
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Item Stats (per group)



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Click on the item number and the item is displayed.



You can also get these (in PDF) from the released items available at the OPI website.

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Proficiency (per group)

Reading			Math		
Level	Count	Percent	Level	Count	Percent
Basic	1795	17%	Basic	2605	34%
Emerging Proficiency	1342	13%	Emerging Proficiency	2215	21%
Proficient	4,036	39%	Proficient	2521	31%
Advanced	2731	26%	Advanced	1614	14%
Not Included	3	< 0.1%	Not Included	1	< 0.1%
Mean Scaled Score	258		Mean Scaled Score	243	

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Individual Student Proficiencies

Student ID	English Language Arts	Math
3010004	272	262
3010162	200	239
3010193	264	274
3010198	244	250
3010204	204	210
3010230	210	252
3010237	216	240
3011462	244	244
3020318	264	266
3020346	256	246
3020369	278	258
3020394	278	258

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Student Scores

You can look up a particular student. Choose the booklet number and click

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Export Data

Field Name	Description	Data Type	Length
DisCode	District Code	Character	5
SchCode	School Code	Character	5

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Accountability Tab

- Students excluded from averages (for AYP) are also excluded from the data in the accountability section.
- Focus: administrator use

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Assessment link:
<http://www.opi.mt.gov/Assessment/index.html>

JUMP link:
<http://www.opi.mt.gov/Assessment/JUMP.html>

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